

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Claim 1. (currently amended) A solid composition for application to the oral mucosa comprising a tetracycline sulfosalicylate salt and a pharmaceutically acceptable carrier comprising a sugar, ~~selected from the group consisting of a mucoadhesive polymer, and~~ a buffer, where the buffer is in an amount sufficient to provide a solution formed using the composition a pH of from 6.5 to 9 ~~viscous polymer gel and a hydrogel.~~

Claims 2-17. (cancelled)

Claim 18. (currently amended) A method for treating ~~or preventing~~ oral mucositis resulting from treatment of cancer using radiation or chemotherapy ~~for cancer~~ comprising administering to a patient an effective amount of a composition according to claim 1 ~~comprising a tetracycline and a pharmaceutically acceptable carrier selected from the group consisting of a mucoadhesive polymer, a viscous polymer gel and a hydrogel.~~

Claim 19. (new) A composition according to claim 19, where the mucoadhesive polymer is gelatin.

Claim 20. (new) A composition according to claim 19, where the tetracycline sulfosalicylate is meclocycline sulfosalicylate.

Claim 21. (new) A composition according to claim 19, where the sugar is lactose.

Claim 22. (new) A composition according to claim 19, where the sugar is mannitol.

Claim 23. (new) A composition according to claim 20, where the sugar is lactose.

Claim 24. (new) A composition according to claim 20, where the sugar is mannitol.

Claim 25. (new) A composition according to claim 23, where the mucoadhesive polymer is gelatin.

Claim 26. (new) A composition according to claim 24, where the mucoadhesive polymer is gelatin.

Claim 27. (new) A solution suitable for use as a mouth rinse comprising meclocycline sulfosalicylate, a sugar, and an amount of a buffer sufficient to provide the solution with a pH of from 6.5-9.

Claim 28. (new) A solution according to claim 27, where the sugar is mannitol.

Claim 29. (new) A solution according to claim 27, where the sugar is lactose.

Claim 30. (new) A method for treating oral mucositis resulting from treatment of cancer using radiation or chemotherapy comprising administering to a patient an effective amount of a solution according to claim 27.